## Data sheet 3SU1100-2BF60-1BA0



Selector switch, illuminable, 22 mm, round, plastic, white, selector switch, short, 2 switch positions O-I, latching, 10:30h/13:30h, with holder, 1 NO, screw terminal

product brand name	SIRIUS ACT	
product designation	Selector switches	
design of the product	Complete unit	
product type designation	3SU1	
product line	Plastic, black, 22 mm	
manufacturer's article number	. 18810, 24811, 22 11111	
of supplied contact module at position 1	3SU1400-1AA10-1BA0	
of the supplied holder	3SU1550-0AA10-0AA0	
of the supplied actuator	3SU1002-2BF60-0AA0	
Enclosure	335.03 <u>4.25.03</u>	
number of command points	1	
Actuator		
design of the actuating element	Selector, short	
principle of operation of the actuating element	latching, 90° (10:30 h/13:30 h)	
product extension optional light source	Yes	
color of the actuating element	white	
material of the actuating element	plastic	
shape of the actuating element	round	
outer diameter of the actuating element	32.3 mm	
number of contact modules	1	
number of switching positions	2	
actuating angle		
• clockwise	90°	
Front ring		
product component front ring	Yes	
design of the front ring	standard	
material of the front ring	plastic	
color of the front ring	black	
Holder		
material of the holder	Plastic	
Display		
number of LED modules	0	
General technical data		
product function positive opening	No	
product component light source	No	
insulation voltage rated value	500 V	
degree of pollution	3	
type of voltage of the operating voltage	AC/DC	
surge voltage resistance rated value	6 kV	
protection class IP	IP66, IP67, IP69(IP69K)	

of the terminal	IP20
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	
<ul><li>according to IEC 60068-2-27</li></ul>	sinusoidal half-wave 15g / 11 ms
<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
vibration resistance	
<ul> <li>according to IEC 60068-2-6</li> </ul>	10 500 Hz: 5g
<ul> <li>for railway applications according to EN 61373</li> </ul>	Category 1, Class B
operating frequency maximum	1 800 1/h
mechanical service life (operating cycles) typical	1 000 000
electrical endurance (operating cycles) typical	10 000 000
thermal current	10 A
reference code according to IEC 81346-2	S
continuous current of the C characteristic MCB	10 A; for a short-circuit current smaller than 400 A
continuous current of the quick DIAZED fuse link	10 A
continuous current of the DIAZED fuse link gG	10 A
Substance Prohibitance (Date)	10/01/2014
operating voltage	
• at AC	
— at 50 Hz rated value	5 500 V
— at 60 Hz rated value	5 500 V
at DC rated value	5 500 V
Power Electronics	
contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million
	(5 V, 1 mÅ)
Auxiliary circuit	
design of the contact of auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	1
Connections/ Terminals	
type of electrical connection	screw-type terminals
<ul> <li>of modules and accessories</li> </ul>	Screw-type terminal
type of connectable conductor cross-sections	
<ul> <li>solid with core end processing</li> </ul>	2x (0.5 0.75 mm²)
<ul> <li>solid without core end processing</li> </ul>	2x (1.0 1.5 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²)
<ul> <li>finely stranded without core end processing</li> </ul>	2x (1,0 1,5 mm²)
• for AWG cables	2x (18 14)
tightening torque of the screws in the bracket	1 1.2 N·m
tightening torque with screw-type terminals	0.8 0.9 N·m
Safety related data	
proportion of dangerous failures	
with low demand rate according to SN 31920	20 %
<ul> <li>with high demand rate according to SN 31920</li> </ul>	20 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
B10 value with high demand rate according to SN 31920	
	100 000
IEC 62061  T1 value for proof test interval or service life according to	100 000 20 a
T1 value for proof test interval or service life according to IEC 61508	
IEC 62061  T1 value for proof test interval or service life according to	
T1 value for proof test interval or service life according to IEC 61508	
IEC 62061  T1 value for proof test interval or service life according to IEC 61508  Ambient conditions	20 a -25 +70 °C
IEC 62061  T1 value for proof test interval or service life according to IEC 61508  Ambient conditions  ambient temperature  • during operation • during storage	20 a
IEC 62061  T1 value for proof test interval or service life according to IEC 61508  Ambient conditions  ambient temperature  • during operation	20 a -25 +70 °C
IEC 62061  T1 value for proof test interval or service life according to IEC 61508  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC	20 a  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
IEC 62061  T1 value for proof test interval or service life according to IEC 61508  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721	20 a  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
IEC 62061  T1 value for proof test interval or service life according to IEC 61508  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721  Environmental Froduct Declaration(EPD)	20 a  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  Yes
IEC 62061  T1 value for proof test interval or service life according to IEC 61508  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721  Environmental footprint  Environmental Product Declaration(EPD)  Global Warming Potential [CO2 eq] total	20 a  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  Yes  0.787 kg
IEC 62061  T1 value for proof test interval or service life according to IEC 61508  Ambient conditions  ambient temperature  • during operation • during storage  environmental category during operation according to IEC 60721  Environmental Froduct Declaration(EPD)	20 a  -25 +70 °C  -40 +80 °C  3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)  Yes

global warming potential [CO2 eq] after end of life	-0.015 kg
Installation/ mounting/ dimensions	
fastening method	
<ul> <li>of modules and accessories</li> </ul>	Front plate mounting
height	40 mm
width	32.3 mm
shape of the installation opening	round
mounting diameter	22.3 mm
positive tolerance of installation diameter	0.4 mm
mounting height	28.8 mm
installation width	32.3 mm
installation depth	49.7 mm

Approvals Certificates

## **General Product Approval**

Declaration of Conformity





Confirmation







Declaration of Conformity

**Test Certificates** 

Marine / Shipping



Special Test Certificate

Type Test Certificates/Test Report







Marine / Shipping

other

Environment



Confirmation

Environmental Confirmations

## Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

## Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1100-2BF60-1BA0

Cax online generator

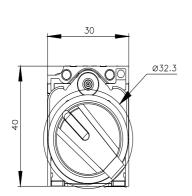
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1100-2BF60-1BA0}$ 

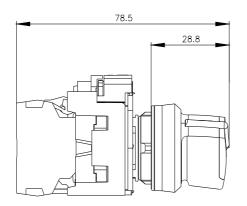
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

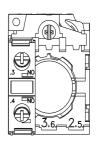
https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-2BF60-1BA0

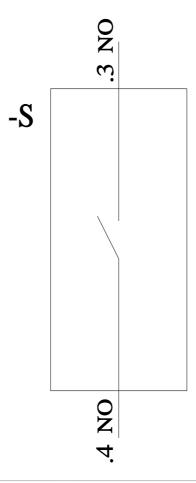
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1100-2BF60-1BA0&lang=en









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